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OM protein - protein search, using sw model

Run on: June 9, 2003, 12:34:22 ; Search time 117,532 Seconds
(without alignments)
131.654 Million cell updates/sec

Title: US-09-785-058-5
Perfect score: 109
Sequence: 1 RRVRRVRRVRRVRRVRRVRR 24

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

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Post-processing:  Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries
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Penditi Patentes AA_Main:*

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- 2: /cgn2_6/prodataa/1/paa/US06_COMB pep:*
- 3: /cgn2_6/prodataa/1/paa/US07_COMB pep:*
- 4: /cgn2_6/prodataa/1/paa/US08_COMB pep:*
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- 6: /cgn2_6/prodataa/1/paa/US082_COMB pep:*
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- 22: /cgn2_6/prodataa/1/paa/US098_COMB pep:*
- 23: /cgn2_6/prodataa/1/paa/US099_COMB pep:*
- 24: /cgn2_6/prodataa/1/paa/US100_COMB pep:*
- 25: /cgn2_6/prodataa/1/paa/US101_COMB pep:*
- 26: /cgn2_6/prodataa/1/paa/US102_COMB pep:*
- 27: /cgn2_6/prodataa/1/paa/US60_COMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	ID	Description
1	109	100.0	24 1 PCT-US02-04432-5	Sequence 5, Appl1
2	109	100.0	24 1 PCT-US02-04812-5	Sequence 5, Appl1
3	109	100.0	24 21 US-09-785-026-5	Sequence 5, Appl1
4	109	100.0	24 21 US-09-785-025-5	Sequence 5, Appl1
5	109	100.0	24 24 US-10-079-075-5	Sequence 5, Appl1
6	109	100.0	36 1 PCT-US02-04432-6	Sequence 6, Appl1

7	109	100.0	36	1	PCT-US02-04812-6	Sequence 6, Appl
8	109	100.0	36	21	US-09-785-056-6	Sequence 6, Appl
9	109	100.0	36	21	US-09-785-056-6	Sequence 6, Appl
10	109	100.0	36	24	US-10-079-075-6	Sequence 7, Appl
11	109	100.0	42	1	PCT-US02-04433-7	Sequence 7, Appl
12	109	100.0	42	1	PCT-US02-04812-7	Sequence 7, Appl
13	109	100.0	42	21	US-09-785-056-7	Sequence 7, Appl
14	109	100.0	42	21	US-09-785-056-7	Sequence 7, Appl
15	109	100.0	42	24	US-10-079-075-7	Sequence 7, Appl
16	109	100.0	48	1	PCT-US02-04433-8	Sequence 8, Appl
17	109	100.0	48	1	PCT-US02-04812-8	Sequence 8, Appl
18	109	100.0	48	21	US-09-785-056-8	Sequence 8, Appl
19	109	100.0	48	21	US-09-785-056-8	Sequence 8, Appl
20	109	100.0	48	24	US-10-079-075-8	Sequence 8, Appl
21	88	80.7	24	1	PCT-US02-04432-10	Sequence 10, Appl
22	88	80.7	24	1	PCT-US02-04812-10	Sequence 10, Appl
23	88	80.7	24	21	US-09-785-056-10	Sequence 10, Appl
24	88	80.7	24	21	US-09-785-056-10	Sequence 10, Appl
25	88	80.7	24	24	US-10-079-075-10	Sequence 10, Appl
26	88	80.7	36	1	PCT-US02-04432-11	Sequence 11, Appl
27	88	80.7	36	1	PCT-US02-04812-11	Sequence 11, Appl
28	88	80.7	36	21	US-09-785-056-11	Sequence 11, Appl
29	88	80.7	36	21	US-09-785-056-11	Sequence 11, Appl
30	88	80.7	36	24	US-10-079-075-11	Sequence 11, Appl
31	88	80.7	48	1	PCT-US02-04432-12	Sequence 12, Appl
32	88	80.7	48	1	PCT-US02-04812-12	Sequence 12, Appl
33	88	80.7	48	21	US-09-785-056-12	Sequence 12, Appl
34	88	80.7	48	21	US-09-785-056-12	Sequence 12, Appl
35	88	80.7	48	24	US-10-079-075-12	Sequence 12, Appl
36	59	54.1	28	15	US-09-157-563-17	Sequence 17, Appl
37	57.5	52.8	882	18	US-09-156-198-17	Sequence 78, Appl
38	57.5	52.8	882	24	US-10-020-35B-94	Sequence 94, Appl
39	57	52.3	17	1	PCT-US96-03490-4	Sequence 4, Appl
40	57	52.3	17	8	US-08-415-239-4	Sequence 4, Appl
41	57	52.3	17	8	US-08-457-912-4	Sequence 4, Appl
42	57	52.3	17	13	US-08-969-928-4	Sequence 4, Appl
43	56	51.4	31	1	PCT-US02-04433-2	Sequence 2, Appl
44	56	51.4	31	1	PCT-US02-04812-2	Sequence 2, Appl
45	56	51.4	31	21	US-09-785-056-2	Sequence 2, Appl

ALIGNMENTS

```

RESULT 1
PCT-US02-04432-5
; Sequence 5, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mletner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PC/TUS02/04432
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ. ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ. ID NO 5
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-
; PCT-US02-04432-5

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Query Match          100.0%; Score 109; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 4, 2e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
PCT-US02-04812-5
; Sequence 5, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-5
Query Match      100.0%; Score 109; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 4.2e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 RRVRRVRRVRRVRRVRRVRR 24
   |||||
Db 1 RRVRRVRRVRRVRRVRRVRR 24

RESULT 3
US-09-785-058-5
; Sequence 5, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785, 058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-5
Query Match      100.0%; Score 109; DB 21; Length 24;
Best Local Similarity 100.0%; Pred. No. 4.2e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 RRVRRVRRVRRVRRVRRVRR 24
   |||||
Db 1 RRVRRVRRVRRVRRVRRVRR 24

RESULT 4
US-09-785-059-5
; Sequence 5, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785, 059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 24
; TYPE: PRT
```

```
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-5
Query Match      100.0%; Score 109; DB 21; Length 24;
Best Local Similarity 100.0%; Pred. No. 4.2e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 RRVRRVRRVRRVRRVRRVRR 24
   |||||
Db 1 RRVRRVRRVRRVRRVRRVRR 24

RESULT 5
US-10-079-075-5
; Sequence 5, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-5
Query Match      100.0%; Score 109; DB 24; Length 24;
Best Local Similarity 100.0%; Pred. No. 4.2e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 RRVRRVRRVRRVRRVRRVRR 24
   |||||
Db 1 RRVRRVRRVRRVRRVRRVRR 24
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RESULT 6
PCT-US02-04432-6
; Sequence 6, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04432
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04432-6
Query Match      100.0%; Score 109; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 6.7e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 RRVRRVRRVRRVRRVRRVRR 24
   |||||
Db 13 RRVRRVRRVRRVRRVRRVRR 36

RESULT 7
```

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PCT-US02-04812-6
; Sequence 6, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-6

Query Match          100.0%; Score 109; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 6.7e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRRRRRRRRRRRRRRRRR 24
DB 13 RRVRRRRRRRRRRRRRRRRRR 36

RESULT 8
US-09-785-058-6
; Sequence 6, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-6

Query Match          100.0%; Score 109; DB 21; Length 36;
Best Local Similarity 100.0%; Pred. No. 6.7e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRRRRRRRRRRRRRRRRR 24
DB 13 RRVRRRRRRRRRRRRRRRRRR 36

RESULT 9
US-09-785-059-6
; Sequence 6, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
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```
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-6

Query Match          100.0%; Score 109; DB 21; Length 36;
Best Local Similarity 100.0%; Pred. No. 6.7e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRRRRRRRRRRRRRRRRR 24
DB 13 RRVRRRRRRRRRRRRRRRRRR 36

RESULT 10
US-10-079-075-6
; Sequence 6, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-6

Query Match          100.0%; Score 109; DB 24; Length 36;
Best Local Similarity 100.0%; Pred. No. 6.7e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRRRRRRRRRRRRRRRRR 24
DB 13 RRVRRRRRRRRRRRRRRRRRR 36
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RESULT 11
PCT-US02-04432-7
; Sequence 7, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04432
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 42
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04432-7

Query Match          100.0%; Score 109; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 8e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRRRRRRRRRRRRRRRRR 24
DB 1 RRVRRRRRRRRRRRRRRRRRR 24

RESULT 12
PCT-US02-04812-7
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```
; Sequence 7, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 42
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-7

Query Match          100.0%; Score 109; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 8e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24

RESULT 13
US-09-785-058-7
; Sequence 7, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 42
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-7

Query Match          100.0%; Score 109; DB 21; Length 42;
Best Local Similarity 100.0%; Pred. No. 8e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24

RESULT 14
US-09-785-059-7
; Sequence 7, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 42
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
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```
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-7

Query Match          100.0%; Score 109; DB 21; Length 42;
Best Local Similarity 100.0%; Pred. No. 8e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24

RESULT 15
US-10-079-075-7
; Sequence 7, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 42
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-7

Query Match          100.0%; Score 109; DB 24; Length 42;
Best Local Similarity 100.0%; Pred. No. 8e-08;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24
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Search completed: June 9, 2003, 13:07:20
Job time : 117.532 secs